

Leontodon nudicaule of Jelliffe's list is evidently based on a specimen of Dr. Hulst's so labeled which specimen is

Picris hieracioides L.

Lactuca sagittifolia Ell. Rockaway.

Crepis virens L. Richmond Hill, Cypress Hills, *Hulst.*

Xanthium Canadense Mill. The common form is var. *echinatum*.

Solidago juncea Ait. Cypress Hills, *Hulst.*

Hypochaeris radicata L. Cedarhurst.

Antennaria neglecta Greene. Common in sandy fields.

Senecio obovatus Muhl. Richmond Hill, *Hulst.*

BOYS' HIGH SCHOOL, BROOKLYN.

A KEY TO THE NORTH AMERICAN GENERA AND SPECIES OF THE HYGROPHOREAE.—I

BY F. S. EARLE

KEY TO THE GENERA

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|---|-----------------|
| 1. Spores black or dark brown. | A. GOMPHIDIUS. |
| Spores white or whitish. | 2. |
| 2. Usually parasitic on other agarics; basidiospores mostly replaced by chlamydospores. | B. NYCTALIS. |
| Not parasitic on agarics; no chlamydospores. | 3. |
| 3. With a glutinous veil when young, leaving a more or less persistent annulus. | C. LIMACIUM. |
| With no veil or annulus. | D. HYGROPHORUS. |

A. KEY TO THE NORTH AMERICAN SPECIES OF GOMPHIDIUS

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|---|---------------------------------|
| 1. Pileus white or whitish. | 2. |
| Pileus some shade of red or brown. | 3. |
| Pileus dingy pink; lamellae whitish; stipe yellow. | <i>G. flavipes</i> Pk. |
| 2. Stipe yellow, shorter than the diameter of the pileus. | <i>G. maculatus</i> (Scop.) Fr. |
| Stipe white, longer than the diameter of the pileus. | <i>G. furcatus</i> Pk. |
| 3. Stipe concolorous (reddish or brownish). | 4. |
| Stipe at first white or whitish. | 7. |

4. Entire plant blackening in drying. *G. Oregonensis* Pk.
Plant not blackening, or only the gluten blackening. 5.
5. Plant not at all blackening; stipe more or less tomentose. 6
The gluten on pileus blackening; stipe pruinose at base. *G. vinicolor* Pk.
6. Large, 5-8 cm.; stipe longer than diameter of pileus, thinly brown-tomentose. *G. viscidus* (L.) Fr.
Smaller, 2-4 cm.; stipe shorter than diameter of pileus, yellow-tomentose below,
glabrate above. *G. Alabamensis* Earle.
7. Entire plant turning jet black in drying. *G. nigricans* Pk.
Plant not blackening. 8.
8. Pileus purplish brown; stipe white, yellow within. *G. glutinosus* (Schaeff.) Fr.
Pileus rose-color; stipe white, base and interior flesh-color. *G. roseus* Fr.

B. KEY TO THE NORTH AMERICAN SPECIES OF NYCTALIS

1. Parasitic on *Russula*, etc. *N. asterophora* Fr.

C. KEY TO THE NORTH AMERICAN SPECIES OF LIMACIUM

1. Pileus white or whitish, disc often colored. 2.
Pileus grayish yellow. *L. elegantulum* (Pk.)
Pileus with some shades of blue or violet. 7.
Pileus grayish brown or blackish brown. 8.
2. Pileus with more or less yellow on disc. 4.
Pileus with brownish disc and innate black fibrils. *L. virgatum* (Pk.) P. Henn.
Pileus white throughout. 3.
3. Spores irregular-sphaeroid, 5-6 μ . *L. eburneum* (Bull.) Schroet.
Spores ellipsoid, 6.5-7.5 $\mu \times$ 4-5 μ . *L. sordidum* (Pk.)
4. Lamellae stained greenish yellow with age; pileus covered with yellow gluten.
L. paludosum (Pk.)
Lamellae becoming flesh-color; disc yellow or reddish. *L. flavo-discum* (Frost)
Lamellae white, unchanging. 5.
5. Pileus with deciduous yellow flecks on the disc and lamellae.
L. chrysodon (Batsch) Schroet.
Pileus smooth, glutinous. 6.
6. Stipe white, farinose above. *L. luteum* (Johns.)
Stipe yellowish white, apex roughened. *L. Laurae* (Morg.) P. Henn.
7. Pileus bluish-alutaceous, lamellae darker. *L. caerulescens* (B. & C.)
Pileus violaceous when moist, paler when dry, lamellae violaceous.
L. subviolaceum (Pk.)
8. Margin of lamellae entire; stipe white or brown-spotted.
L. fuligineum (Frost) P. Henn.
Margin of lamellae erose; stipe pallid or brownish. *L. Morrisii* (Pk.)